APPENDIX

Experiment 1 Test-Retest Data

The test-retest characteristics of two 35-word lists from Experiment 1 (see main text) were examined with 315 listeners with high-frequency hearing loss who were enrolled in a hearing aid study [1]. The test-retest characteristics of the 70-word Words in Noise test were evaluated over a 12-month period. Then, the data were parsed into the two lists in Experiment 1. The individual 50 percent correct word-recognition points, calculated with the Spearman-Kärber equation, are plotted in the Appendix Figure. Test data is plotted on the abscissa and retest data on the ordinate [2]. Data for Lists 1 and 2 are shown in Appendix Figure (a) and (b), respectively. The mean 50 percent correct word-recognition points for List 1 were 12.6 dB signal-to-babble (S/B) (Trial 1) and 12.5 dB S/B (Trial 2) and for List 2 were 12.3 dB S/B (Trial 1) and 13.0 dB S/B (Trial 2). The standard deviations (SDs) ranged from 3.6 to 3.7 dB. A mixed-model analysis of variance indicated that the difference between trials and the difference between lists were not significant ($p = 0.05$). Confidence intervals for the mean data of both lists were the same ($\pm 0.42$) because the SDs and number of listeners were identical. Recall that the confidence interval for the 70-word list was $\pm 0.36$. For the individual data, the critical differences were 2.6 dB S/B (List 1) and 3.2 dB S/B (List 2). These values indicate the change that is necessary to state with 95 percent confidence that a true difference occurred.

REFERENCES
